

Appln. No. 09/857,651
Reply to Office Action of August 27, 2003

REMARKS

The claims now pending in this application are Claims 1-14.

Election/Restriction

Under 35 U.S.C. §121

Group I: Claim 1-7 are directed to a method of manufacturing glycoproteins having human-type sugar chain comprising introducing into a plant cell the gene of glycosyltransferase and the gene of an exogenous glycoprotein.

Group II: Claims 8-11 drawn to a plant cell having a sugar chain adding mechanism which can conduct a transfer reaction of a galactose residue to a non-reducing terminal acetylglucosamine residue.

Group III. Claim 12 drawn to a recombinant plant that produces mammalian-like glycoproteins comprising neither fucose nor xylose.

Group IV. Claim 14, drawn to a glycoprotein with a human-type sugar chain.

Group V, Claim 14, drawn to a plant-produced glycoprotein comprising neither fucose nor xylose.

Applicants hereby elect of Group II for examination without traverse. If this restriction requirement is maintained, a decision whether to file any divisional applications directed to Group I, III, IV or V will be made upon knowledge of the scope of the allowed claims and the business interests of the Assignee.

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Inventorship in Compliance with 37 CFR § 1.48(b)

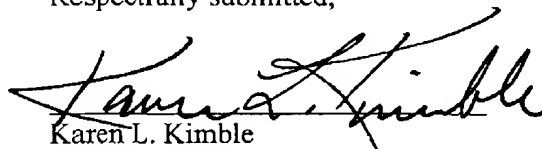
Applicants are reviewing the inventorship of this application and will amend it, if needed, as promptly as possible.

Comments

Please note that a change of address was mailed on September 25, 2003 for future correspondence. The undersigned is now the attorney of record and a copy of the Transfer Assignment is provided as evidence of such change.

Although Applicants believe that they have been fully responsive, if the Examiner has any issues that still require discussion at this time, Applicants request that he telephone the undersigned.

Respectfully submitted,



Karen L. Kimble
Registration No. 26,995
Phone: 989-636-1687

P. O. Box 1967
Midland, MI 48641-1967

KLK/maw

Enclosures: Copy of Transfer Assignment



UNITED STATES
PATENT AND
TRADEMARK OFFICE

HLK

MARCH 26, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

THE DOW CHEMICAL COMPANY
GRAHAM E. TAYLOR
INTELLECTUAL PROPERTY
P.O. BOX 1967
MIDLAND, MICHIGAN 48641-1967

tif



102291857A

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/18/2002

REEL/FRAME: 013509/0382
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SEKI, TATSUJI

DOC DATE: 10/09/2002

ASSIGNOR:

FUJIYAMA, KAZUHITO

DOC DATE: 10/21/2002

ASSIGNEE:

DOW CHEMICAL COMPANY, THE
2030 DOW CENTER
MIDLAND, MICHIGAN 48674

SERIAL NUMBER: 09857651
PATENT NUMBER:

FILING DATE: 08/27/2001
ISSUE DATE:

RECEIVED

MAR 31 2003

PATENT MAIL ROOM

SHAREILL COLES, EXAMINER
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FORM PTO-1595
Rev. 03/28/92

11-25-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102291857

Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tatsuji Seki
Kazuhito Fujiyama

11-18-02

2. Name and address of receiving party(ies):

THE DOW CHEMICAL COMPANY
2030 Dow Center
Midland, Michigan 48674
UNITED STATES OF AMERICA☐ Additional name(s) of conveying party(ies) is attached.☐ Additional name(s) & address(es) are attached.

3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Other _____☐ Merger☐ Change of Name

Execution Date(s) October 9, 21, 2002

4. Application Number(s) or Patent Number(s):

09/857,651 December 8, 1999

If this document is being filed together with a new application, the execution date of the application is:

☐ Additional Application Number(s) or Patent Number(s) are attached.

5. Name and address of party to whom correspondence concerning document should be mailed:

Graham E. Taylor
The Dow Chemical Company
Intellectual Property
P. O. Box 1967
Midland, Michigan 48641-1967
United States of America

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed☒ Please deduct the above fee from our Deposit Account

8. Deposit Account 04-1512. If this estimate is incorrect, please debit or credit our account accordingly.

11/22/2002 DBYRNE 00000061 041512 09857651

01 FC:8021

40.00 CH

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: November 13, 2002

62,736A US

Crystal S. Rohde
Office Professional
(989) 636-1954

Total number of pages including attachments: 6

990 is in the ENGLISH language and has the same meaning in other languages with the same 990 number.

(TRANSFER)

Received from < 9896367594 > at 9/29/03 2:02:21 PM [Eastern Daylight Time]

男川



登簿平成14年第 1060 号

嘱託人 関 達 治 及び

藤 山 和 仁

は当公証人の面前でこの証書に
自ら署名した。

よつてこれを認証する。

平成 14 年 10 月 9 日

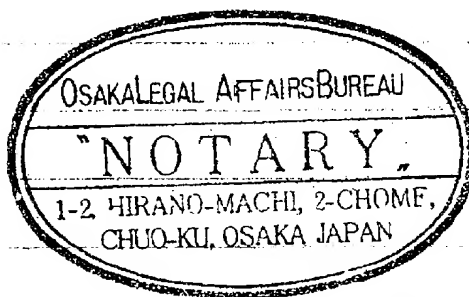
当公証人役場において。

大阪市中央区平野町2丁目1番2号(沢の鶴ビル内)

大阪法務局所属

公証人

堀川 和男



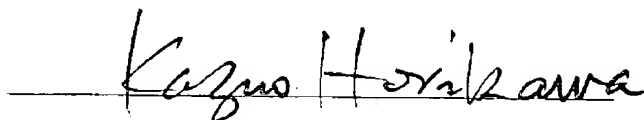
大阪法務局所属 公証人役場

Registered No. 1060 - 2002

NOTARIAL CERTIFICATE

This is to certify that Mr. Tatsuji Seki and Mr. Kazuhito Fujiyama
have affixed their signatures in my very presence to the attached document.

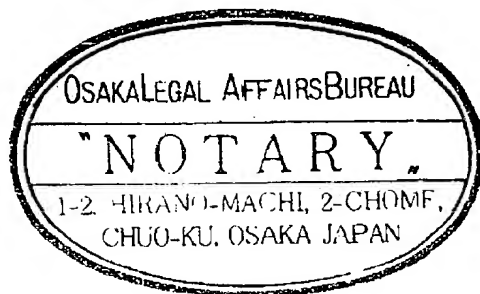
Dated this 9th day of October, 2002.



KAZUO HORIKAWA
NOTARY



Osaka Legal Affairs Bureau
1 - 2, Hirano-Machi, 2- Chome
Chuo-ku, Osaka Japan.



Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

DOW CASE NO. 62,736A

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

at Midland, Michigan 48674, USA
this 13th day of November 2002

Crystal S. Rohde
Crystal S. Rohde
Office Professional
THE DOW CHEMICAL COMPANY

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)

On this 13th day of November 2002, personally
appeared before me,

Crystal S. Rohde

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL
ak

Caroline Ann King
Notary Public

CAROLINE ANN KING
NOTARY PUBLIC, GLADWIN COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES JUNE 12, 2003